

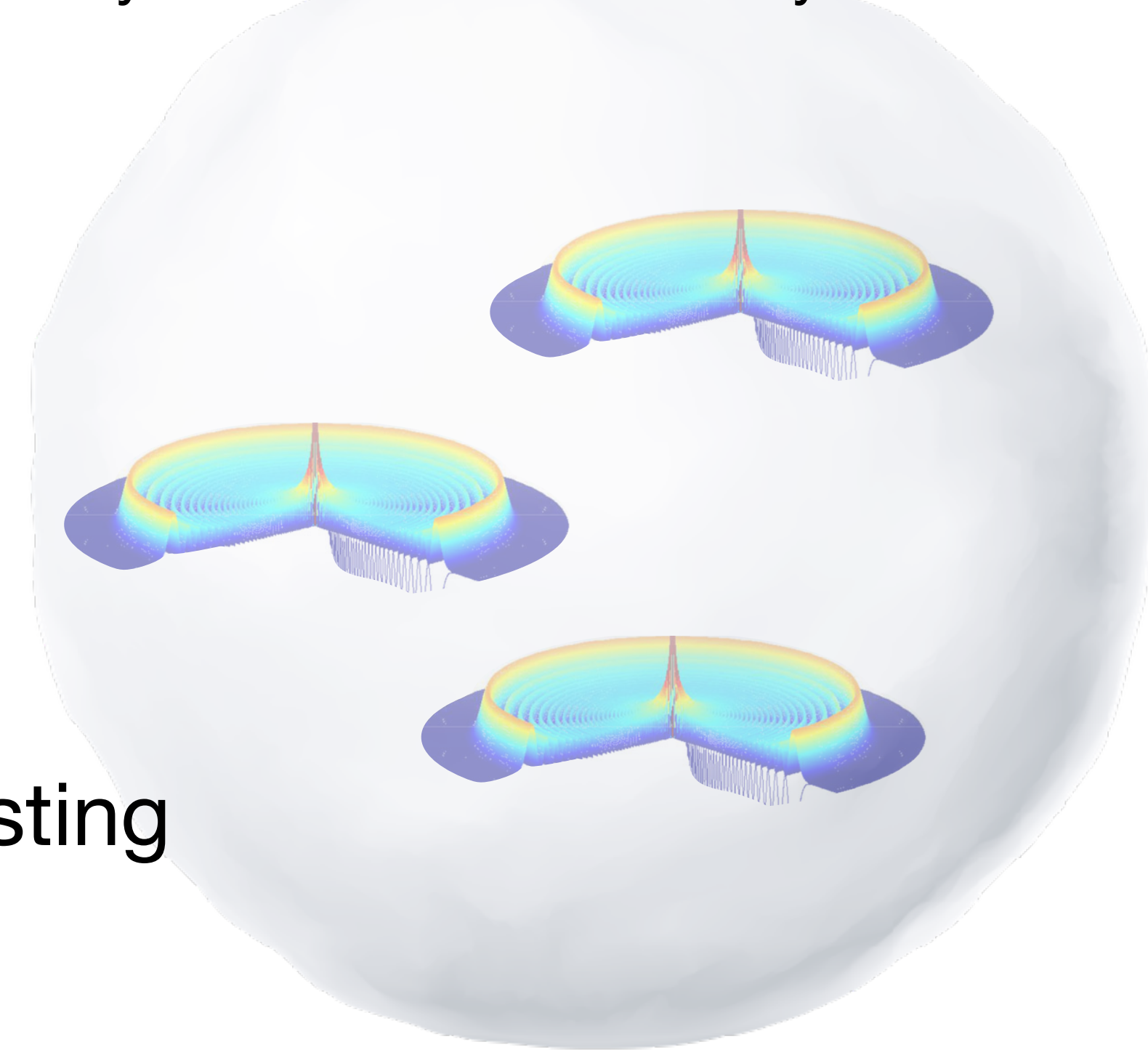
# Workshop on Dynamics of **ULTRACOLD** Systems with Embedded Highly-excited Rydberg Atoms **DUSSEHRA (22nd - 24th Oct 2018)**

## Description

This workshop aims to bring together researchers working on ultra cold physics with atoms, Rydberg-excitations, ions or molecules for quantum simulation and quantum impurity research. We will also include talks on quantum energy transport in molecular systems and ultra-fast dynamics therein, which are possible objectives for quantum simulations.

## Topics

- Ultra cold atoms, ions and molecules
- Bose-Einstein condensates
- Rydberg atoms and excitons
- Quantum simulations
- Quantum energy transport and light harvesting
- Ultra fast processes



## Speakers

Alexander Eisfeld, MPI-PKS Dresden (DE)  
Antonio Negretti, Hamburg University (DE)  
Ashok Mohapatra, NISER Bhubaneswar (IN)  
Gopal Dixit, IIT Mumbai (IN)  
Igor Lesanovsky, Nottingham University (GB)  
Jan-Michael Rost, MPI-PKS Dresden (DE)  
Johannes Hecker-Denschlag, Ulm Uni. (DE)  
Joseph Hope, ANU Canberra (AU)  
Jyotishman Dasgupta, TIFR Mumbai (IN)  
Kamal Singh, IISER Mohali (IN)  
Kanhaiya Pandey, IIT Guwahati (IN)

Nicholas Robins, ANU Canberra (AU)  
Rahul Pandit, IISER Bangalore (IN)  
Rejish Nath, IISER Pune (IN)  
Rick Mukherjee, Imperial C. London (GB)  
Robert Löw, Stuttgart University (DE)  
Sadiq Rangwala, RRI Bengaluru (IN)  
Shannon Whitlock, Strasbourg Uni. (FR)  
Stefan Scheel, Rostock University (DE)  
Thomas Pohl, Aarhus University (DK)  
Umakant Rapol, IISER Pune (IN)  
Weibin Li, Nottingham University (GB)

## Organisers

Sebastian Wüster, Bhargava Ram Niraghatam, Sourav Dutta,  
Varadharajan Srinivasan, IISER Bhopal (IN)  
Jan-Michael Rost MPI-PKS Dresden (DE)

## Please register by **31st Aug 2018**

Participation of students and post-docs is encouraged; register early, on-campus accommodation is limited. Workshop venue: Visitors Hostel IISERB Campus. For more info and registration see [http://home.iiserb.ac.in/~sebastian/dussehra\\_workshop.html](http://home.iiserb.ac.in/~sebastian/dussehra_workshop.html) or email to [dussehra@iiserb.ac.in](mailto:dussehra@iiserb.ac.in)



Max-Planck-Society-IISER partner group kick-off workshop